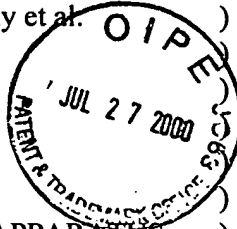


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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Farhang-Boroujeny et al. ) Group Art Unit 2739  
App. No. : 09/532,536  
Filed : March 22, 2000  
For : METHOD AND APPARATUS )  
FOR ECHO CANCELLATION )  
IN AN ASYMMETRIC )  
COMMUNICATION SYSTEM )  
Examiner : Unknown )



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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Enclosed is form PTO-1449 listing references that are also enclosed. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account 11-1410. A duplicate copy of this Statement is enclosed for that purpose.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 7/24/00

By: [Signature]

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